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101500146

FIG. 1

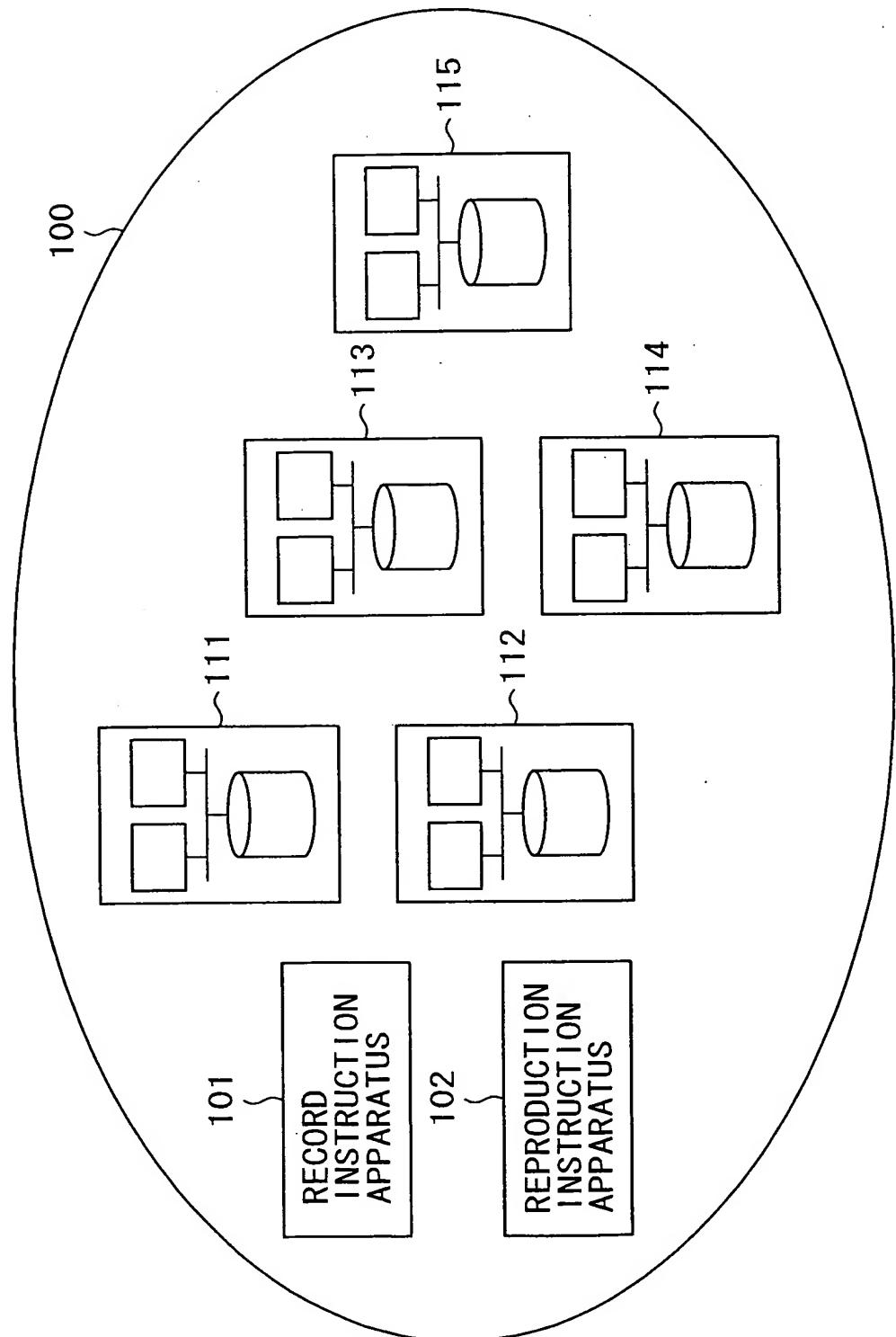


FIG. 2

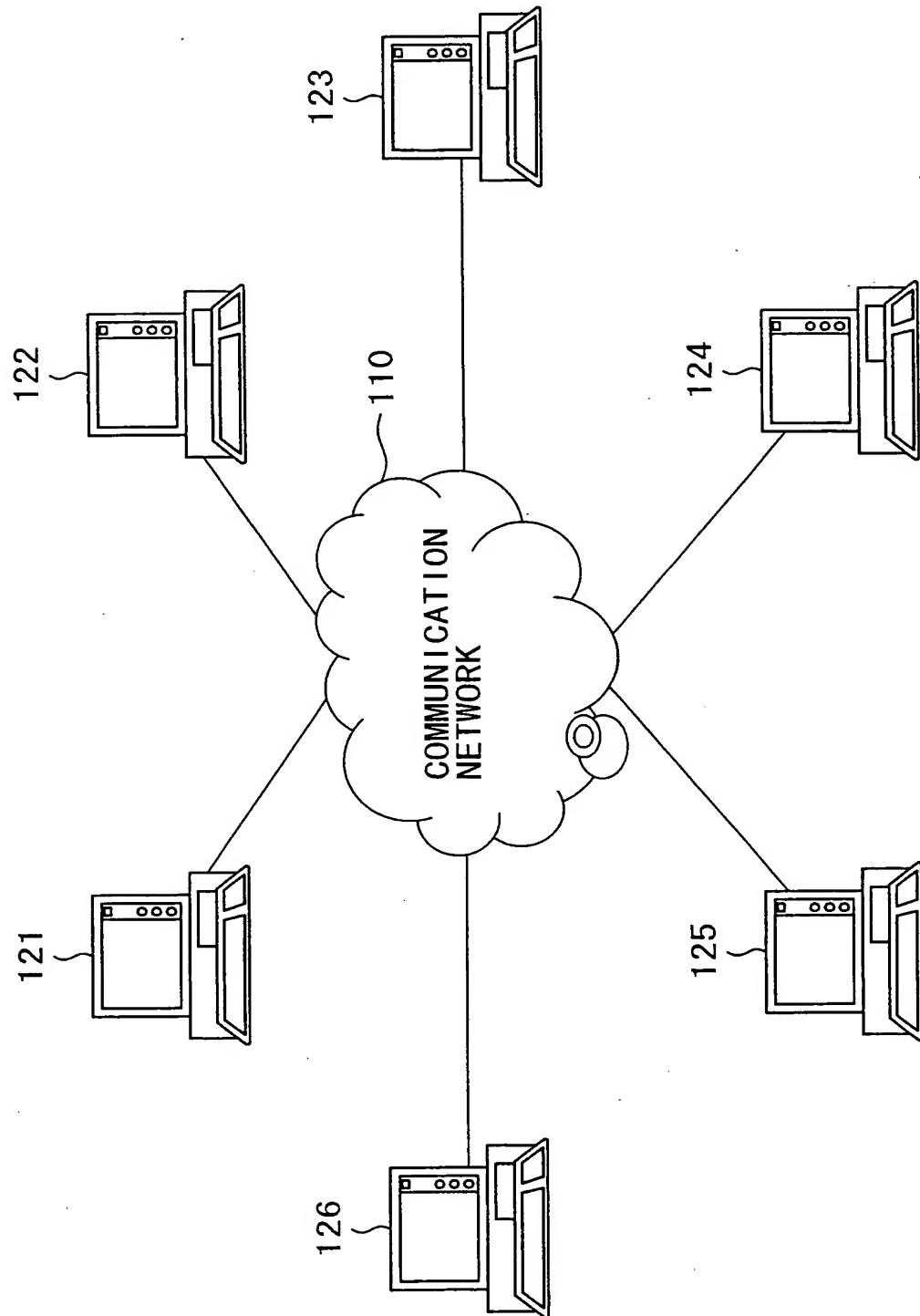


FIG. 3

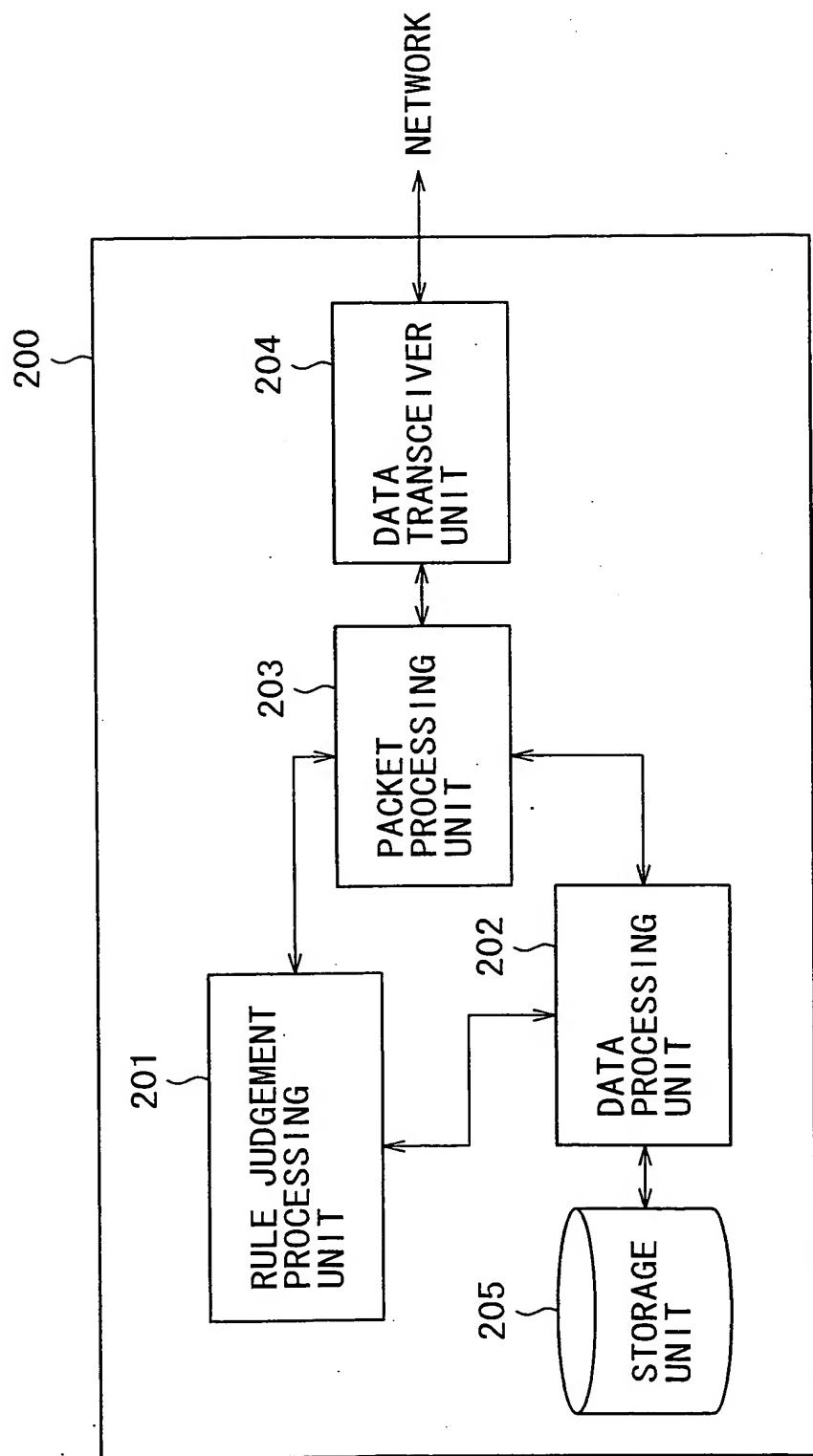
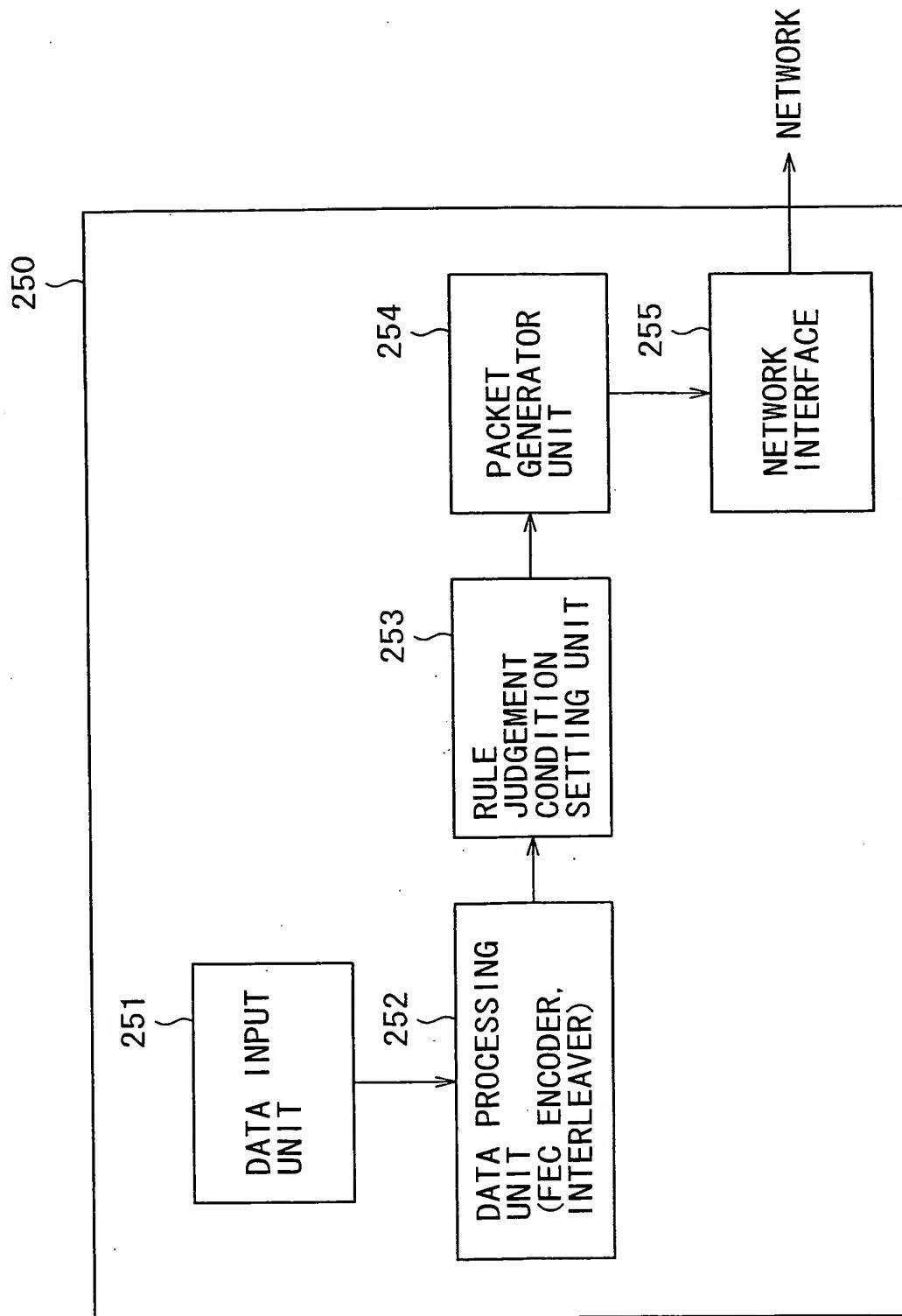
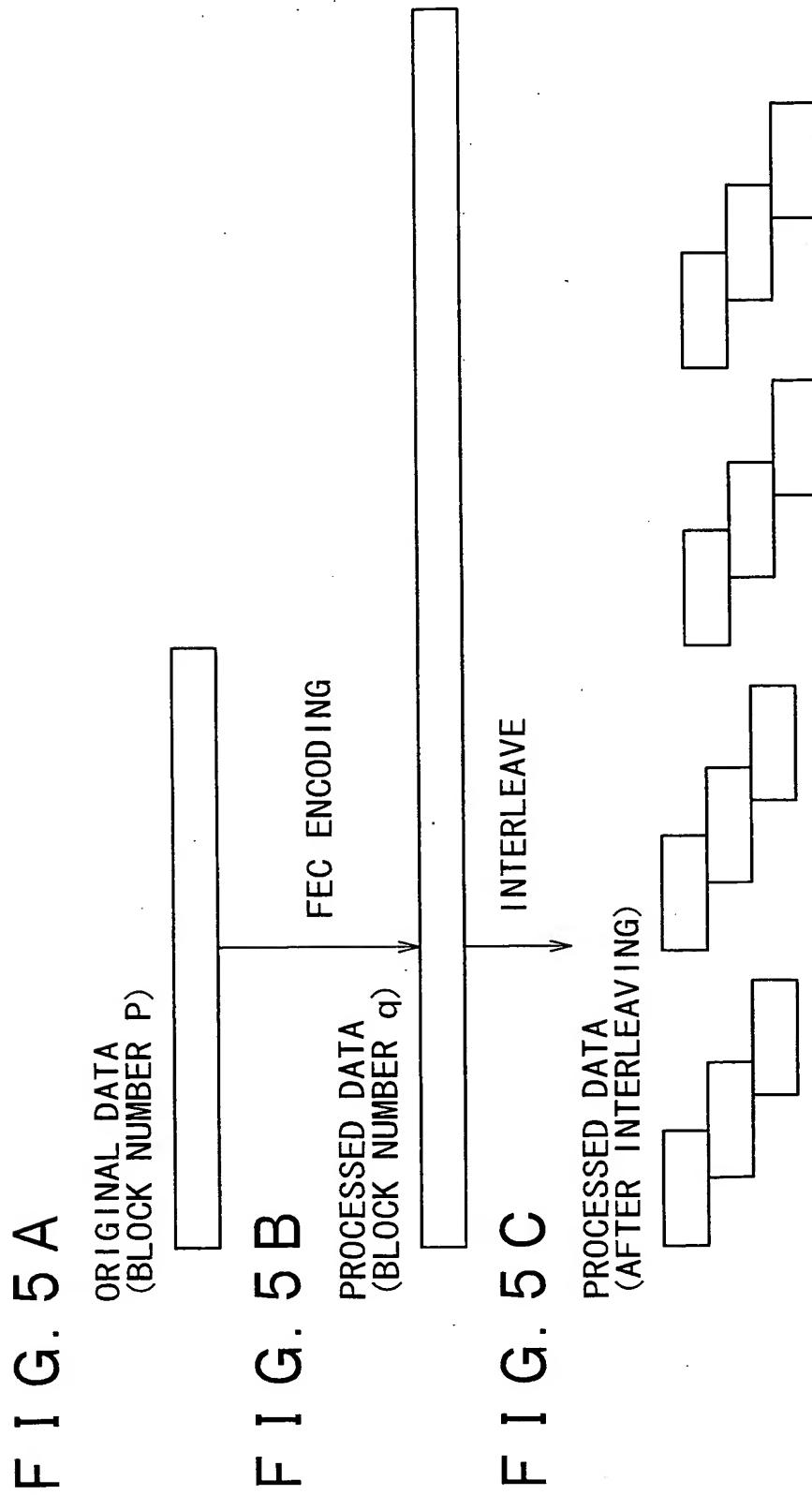


FIG. 4



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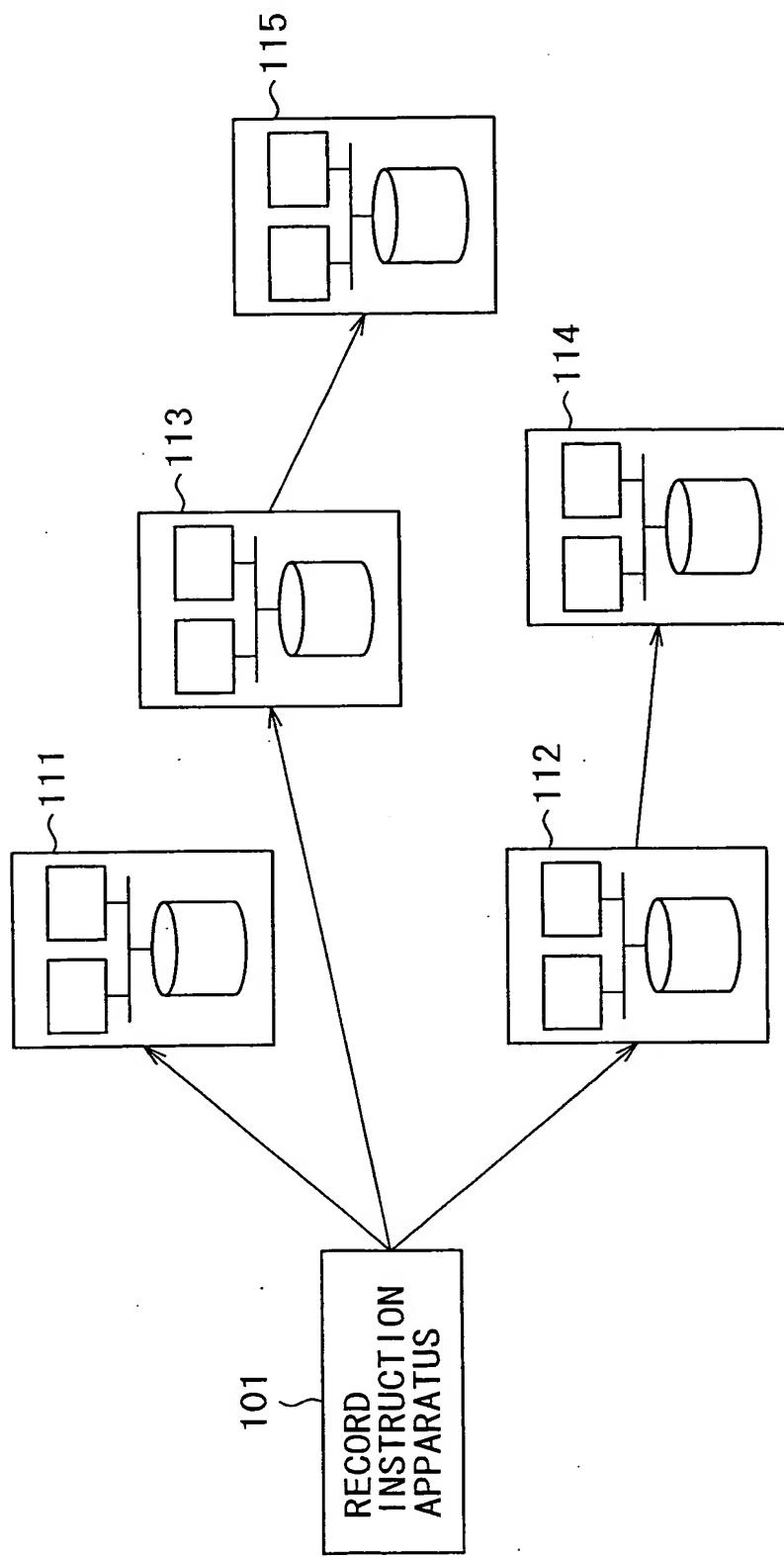
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FIG. 6



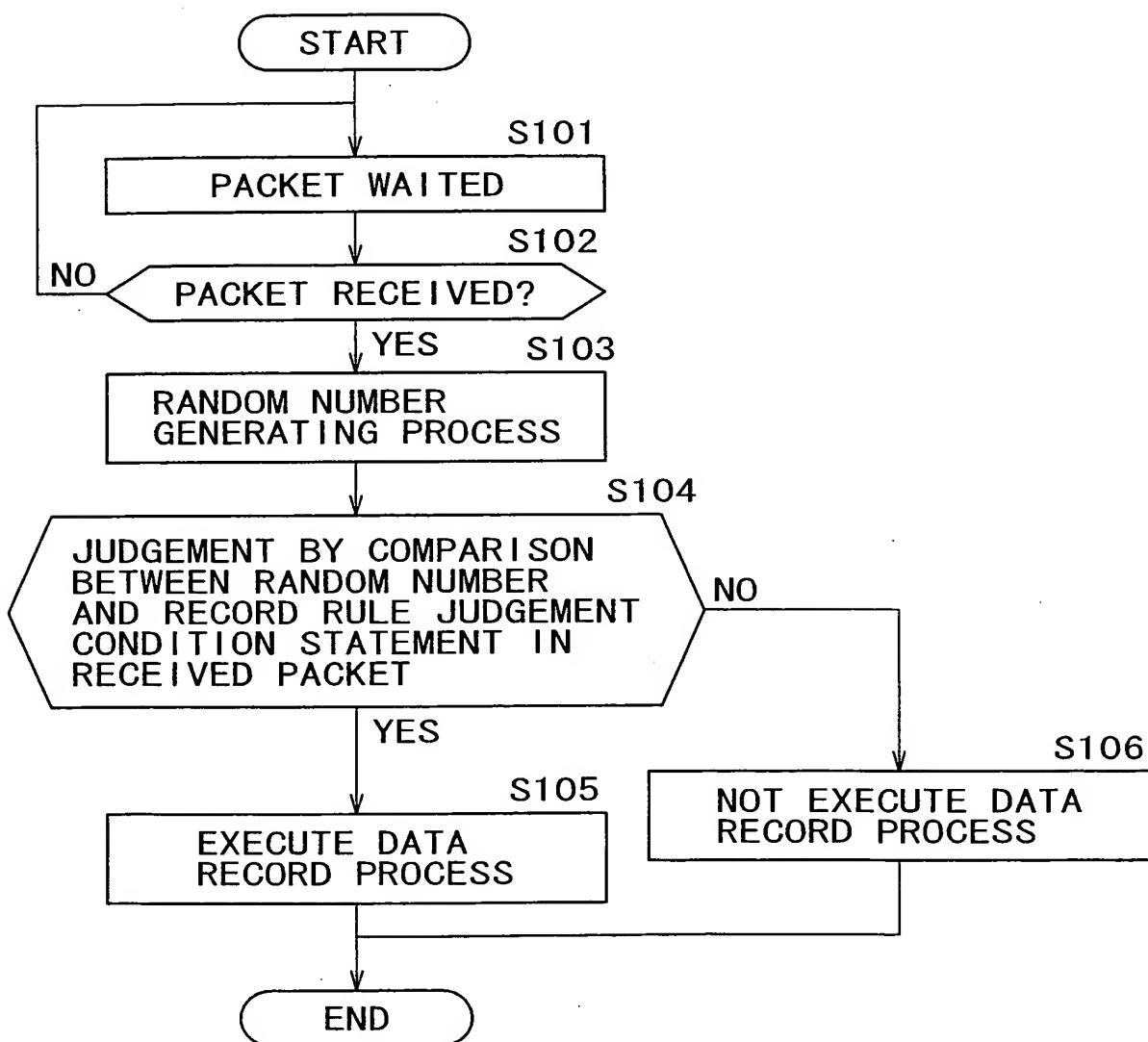
FIG. 7



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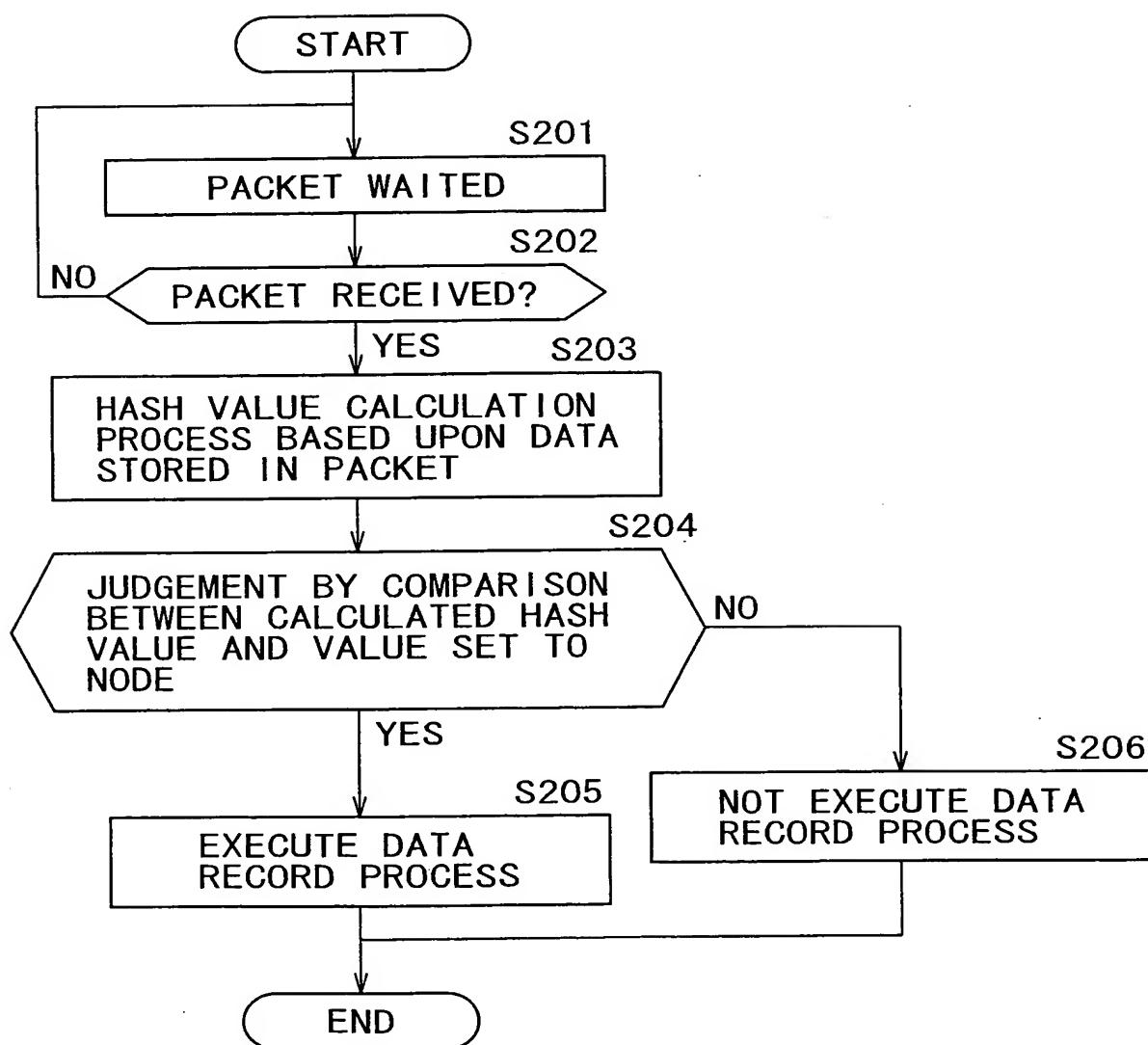
F I G. 8



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F I G. 9



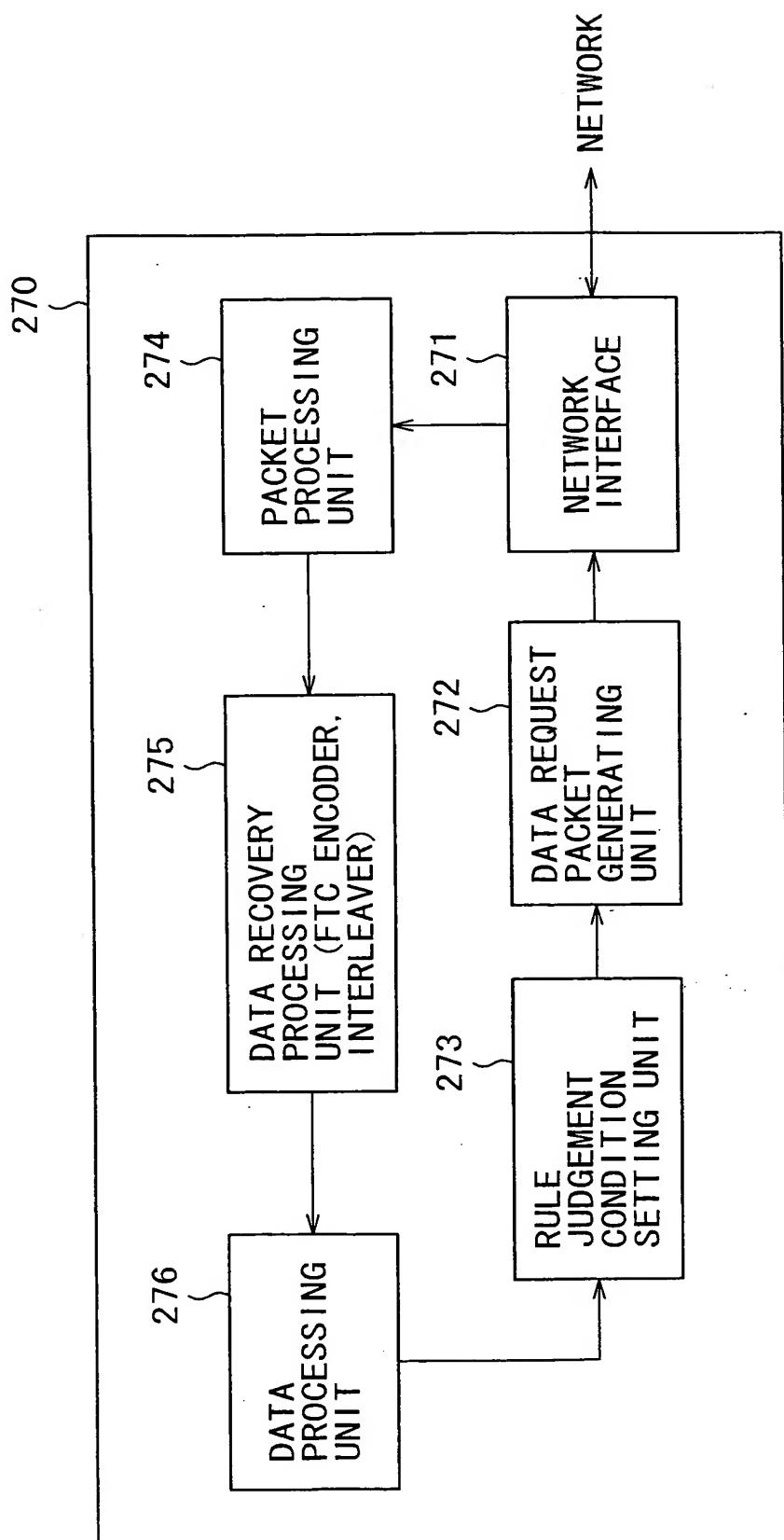
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F I G. 1 0

DATA ID	DATA CONTENTS	HASH VALUE (MD5) OF DATA ID	HASH VALUE (MD5) OF DATA CONTENTS
abc	abcdefghijklmnpqrstuvwxyz	900150983cd24fb0d 6963f7d28e17f72	c3fcd3d76192e4007df b496ccaa67e13b

FIG. 11



F I G. 1 2

HEADER	REPRODUCTION RULE JUDGEMENT CONDITION STATEMENT	REQUEST STATEMENT	FOOTER
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FIG. 13

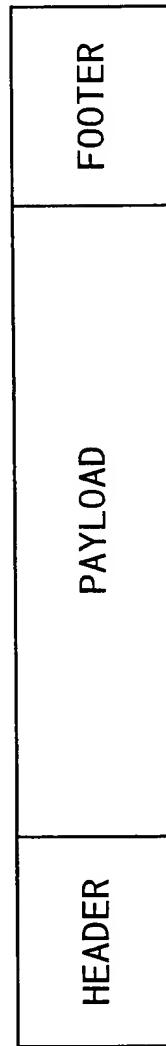


FIG. 14 A

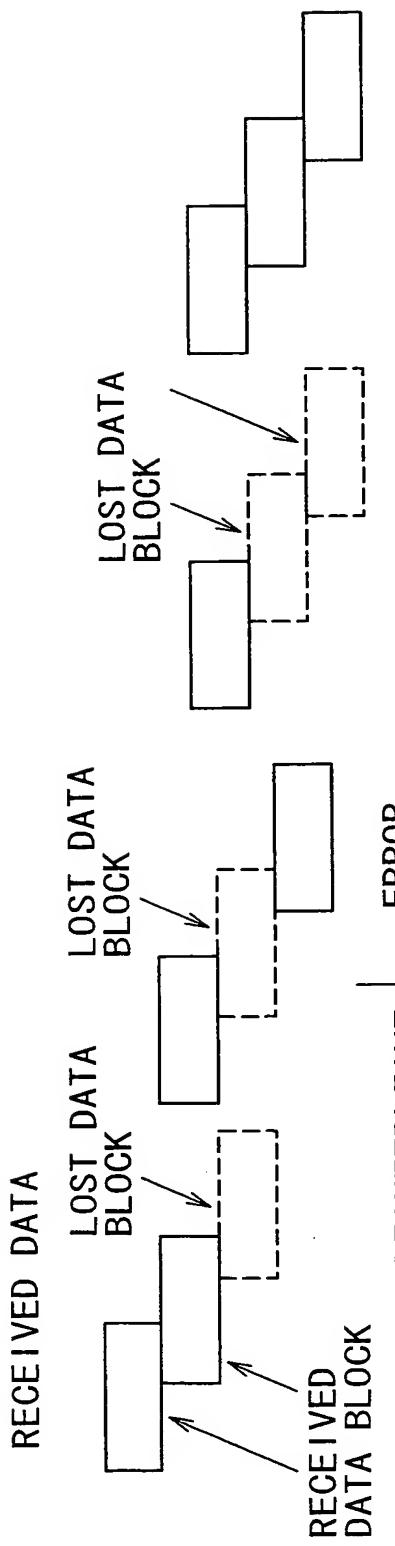


FIG. 14 B

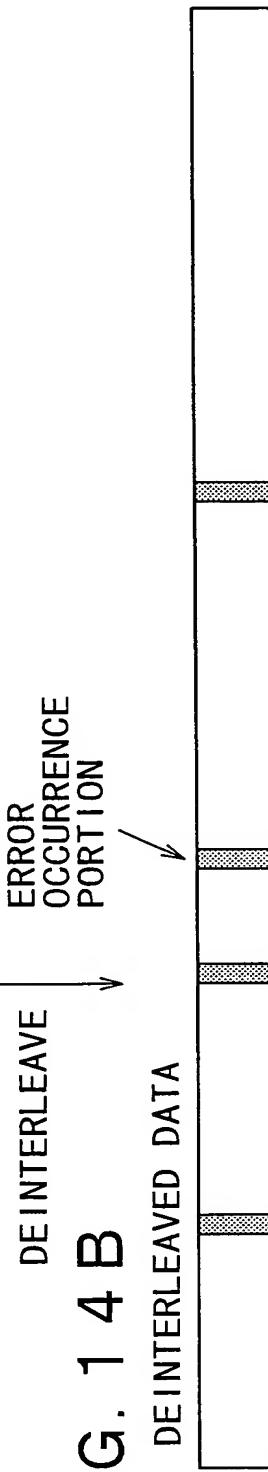


FIG. 14 C

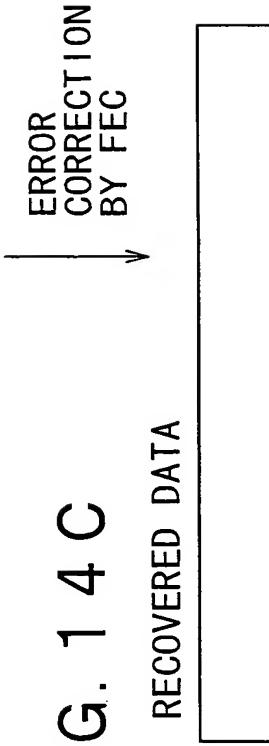


FIG. 15

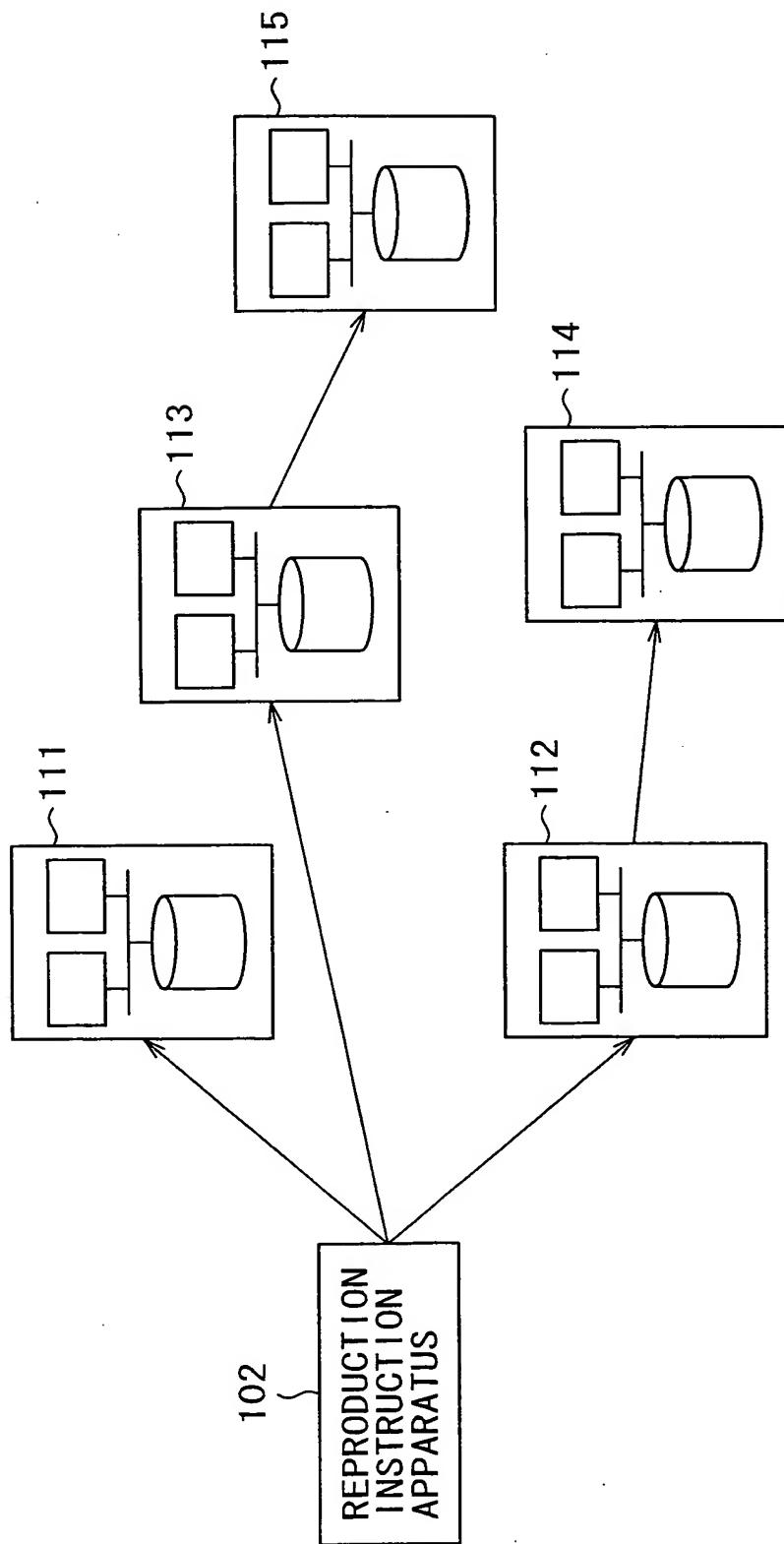


FIG. 16

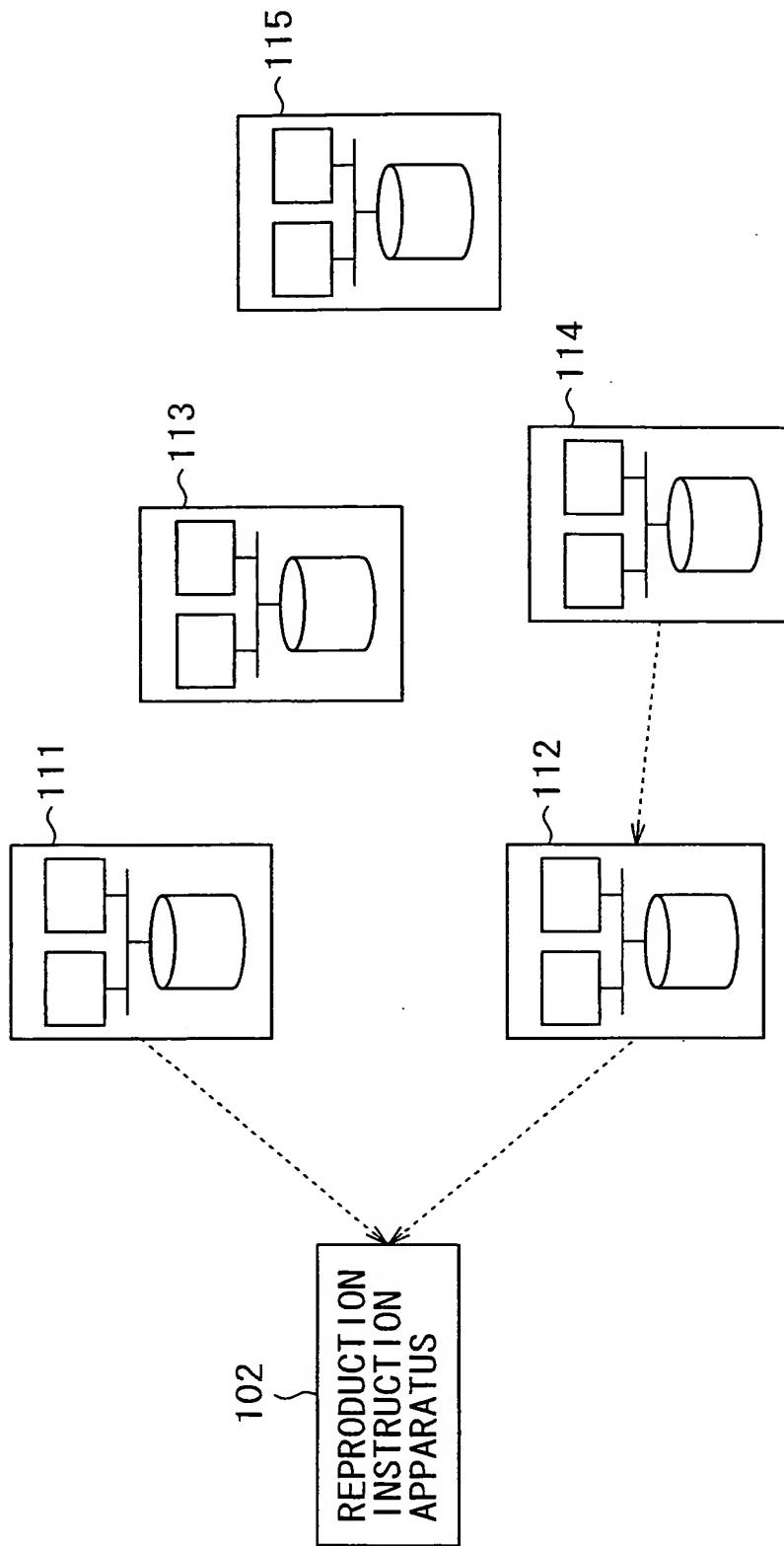


FIG. 17

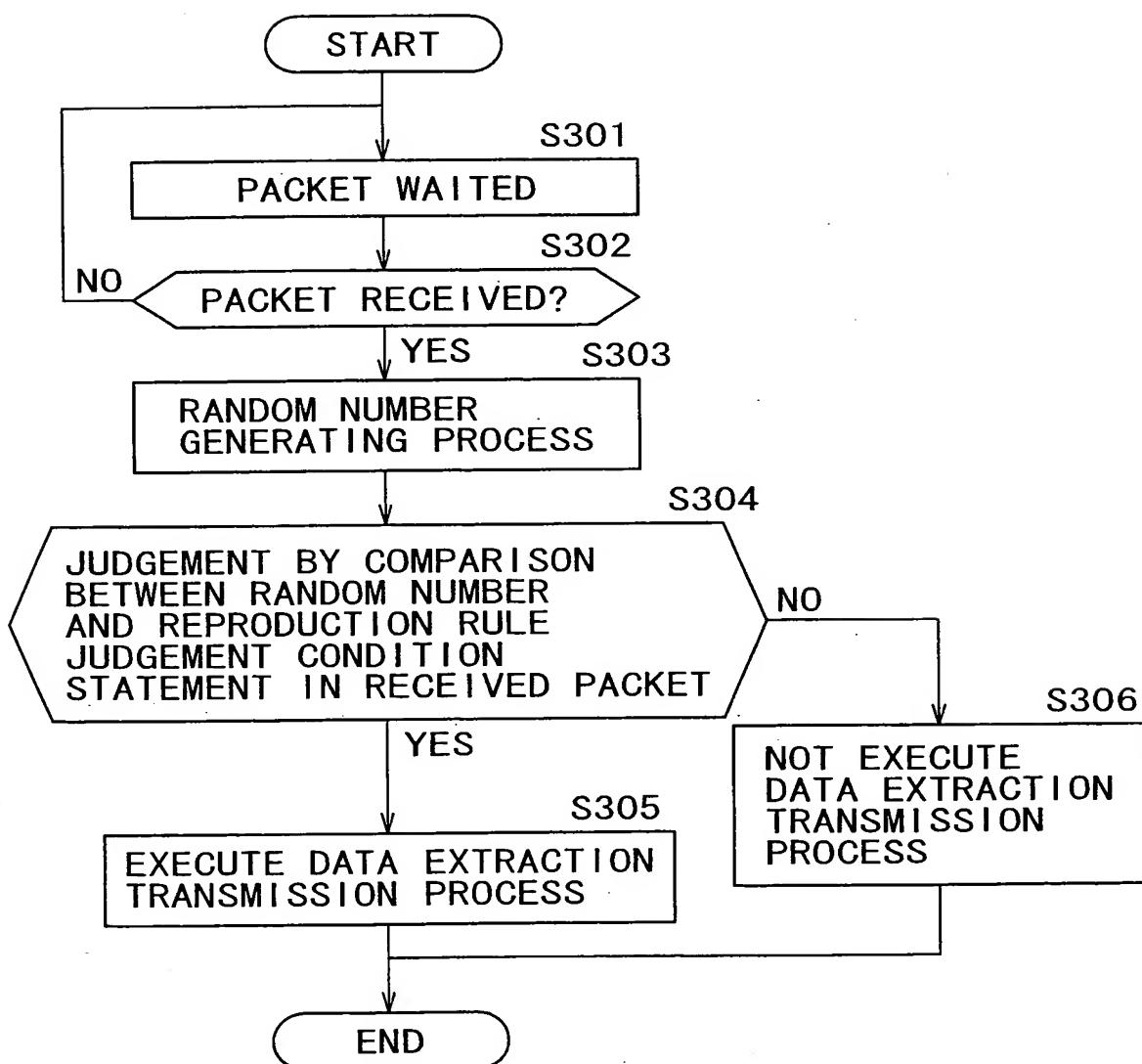


FIG. 18

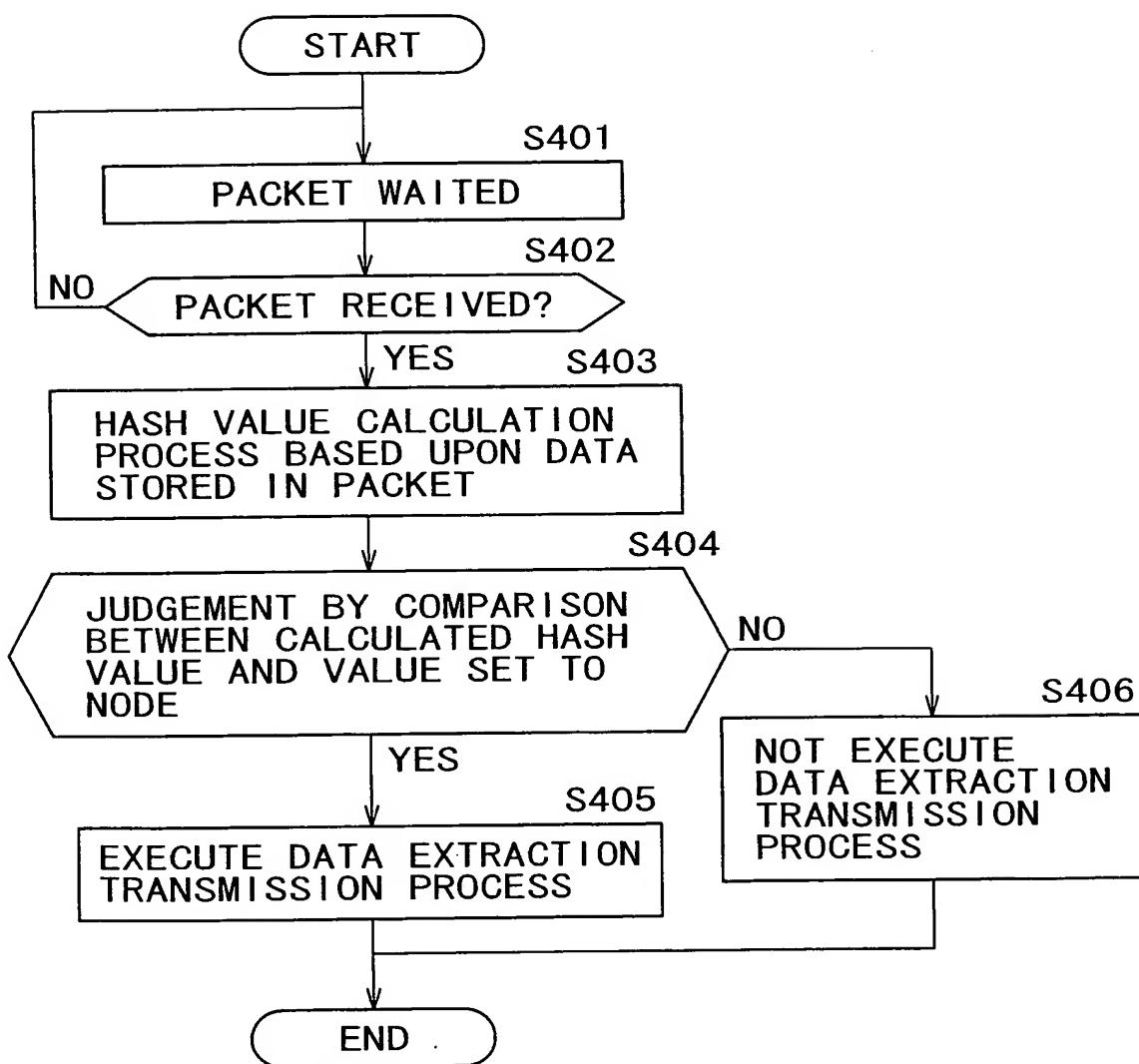


FIG. 19

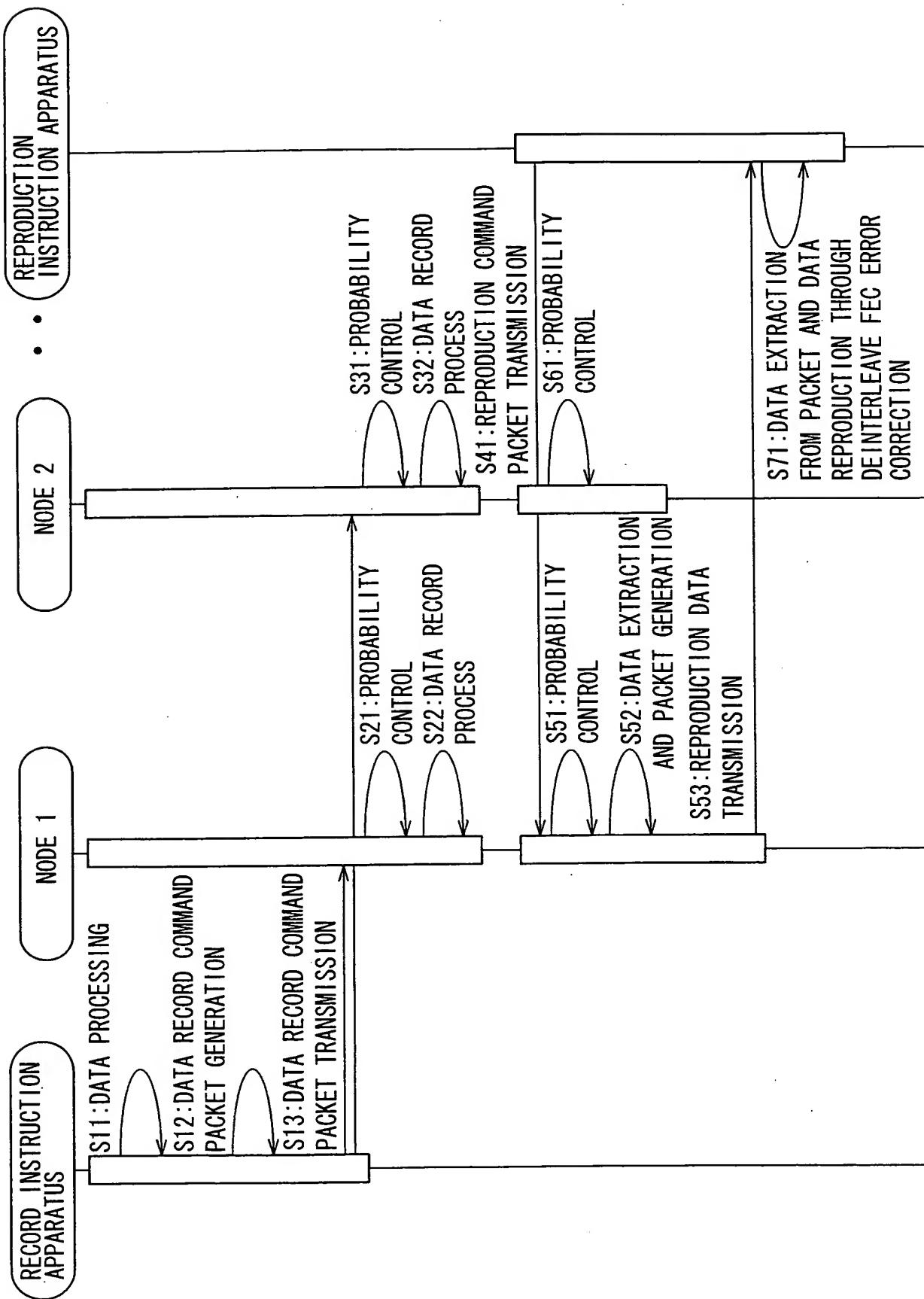


FIG. 20

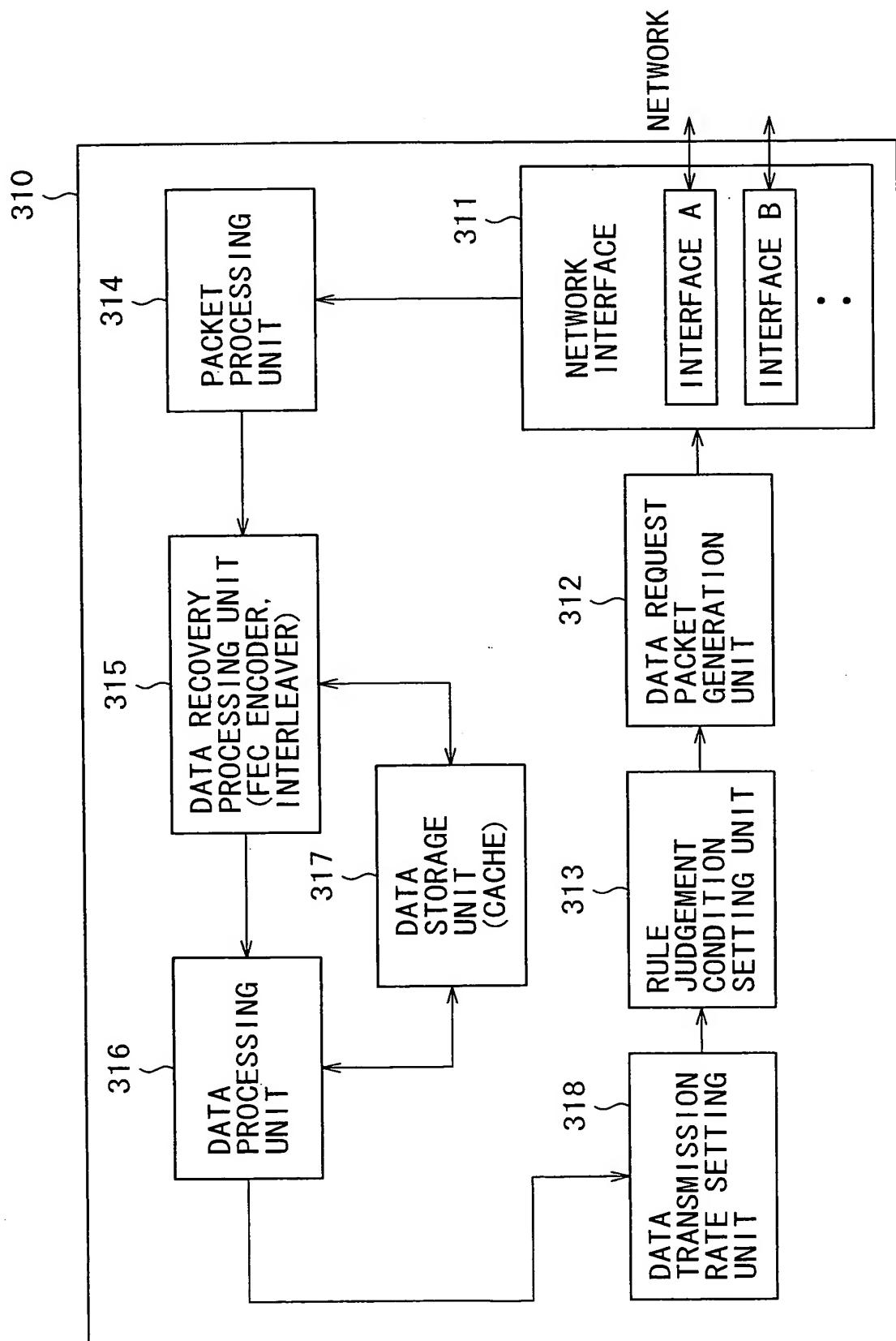


FIG. 21

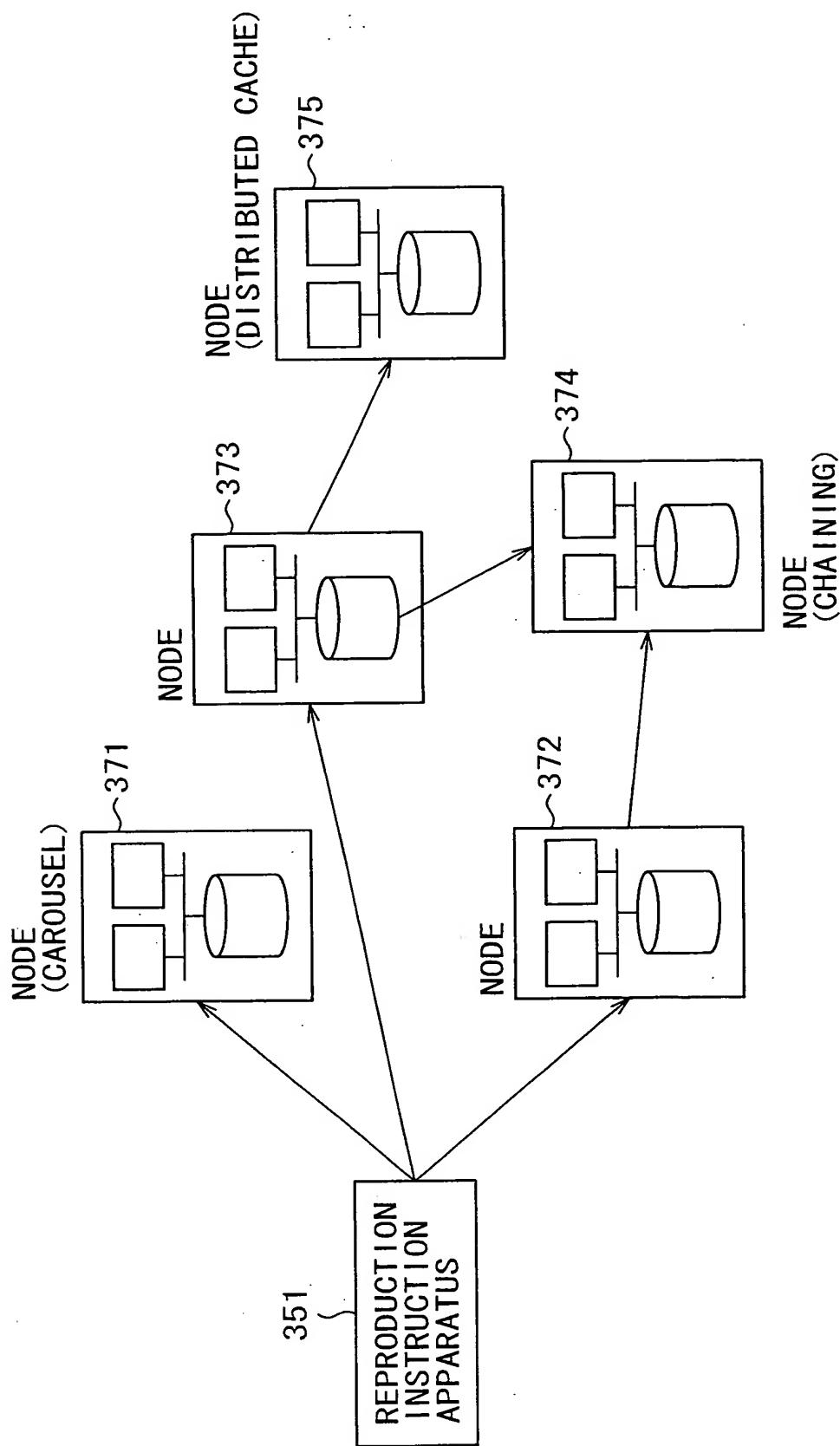


FIG. 22

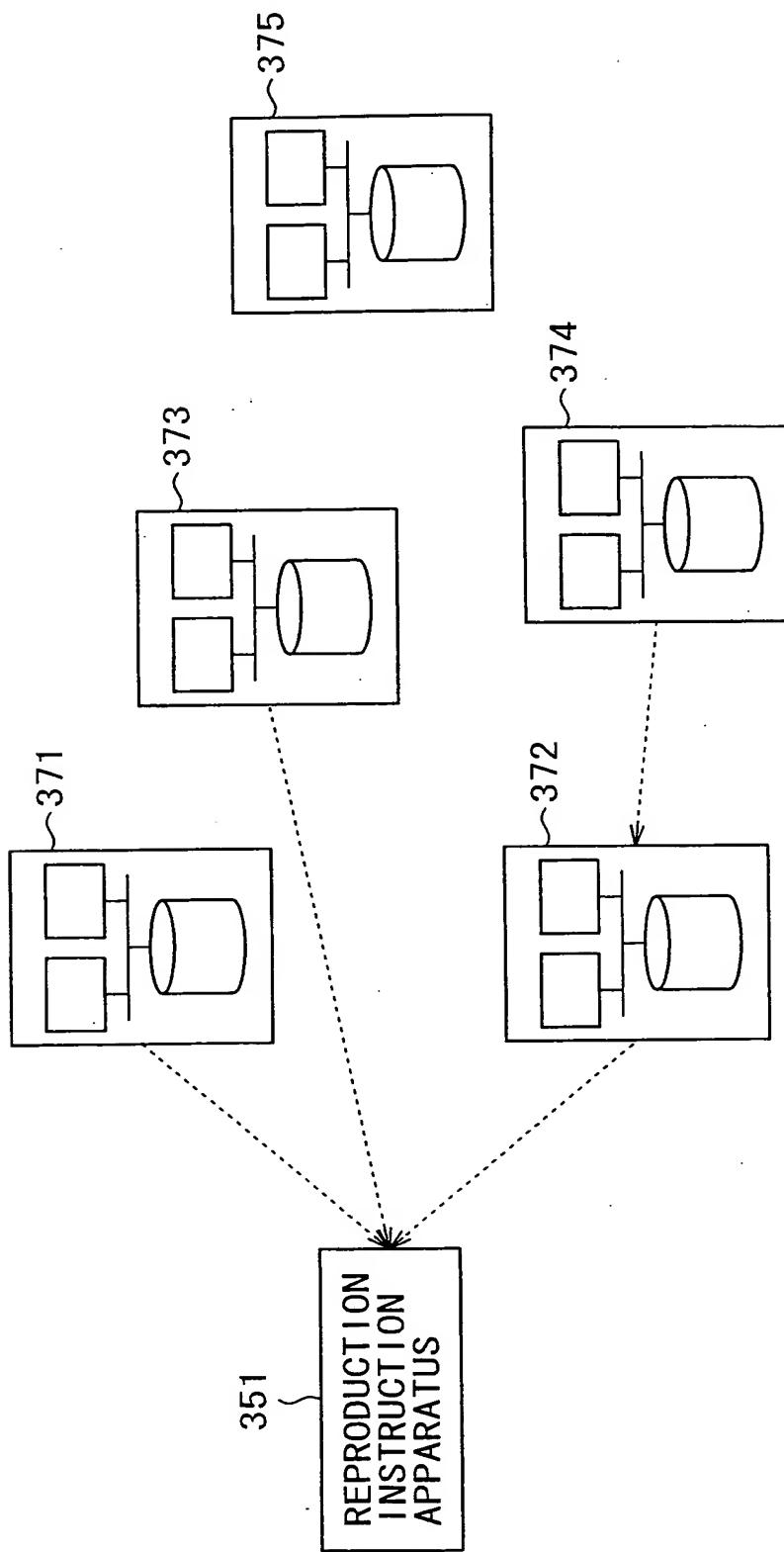
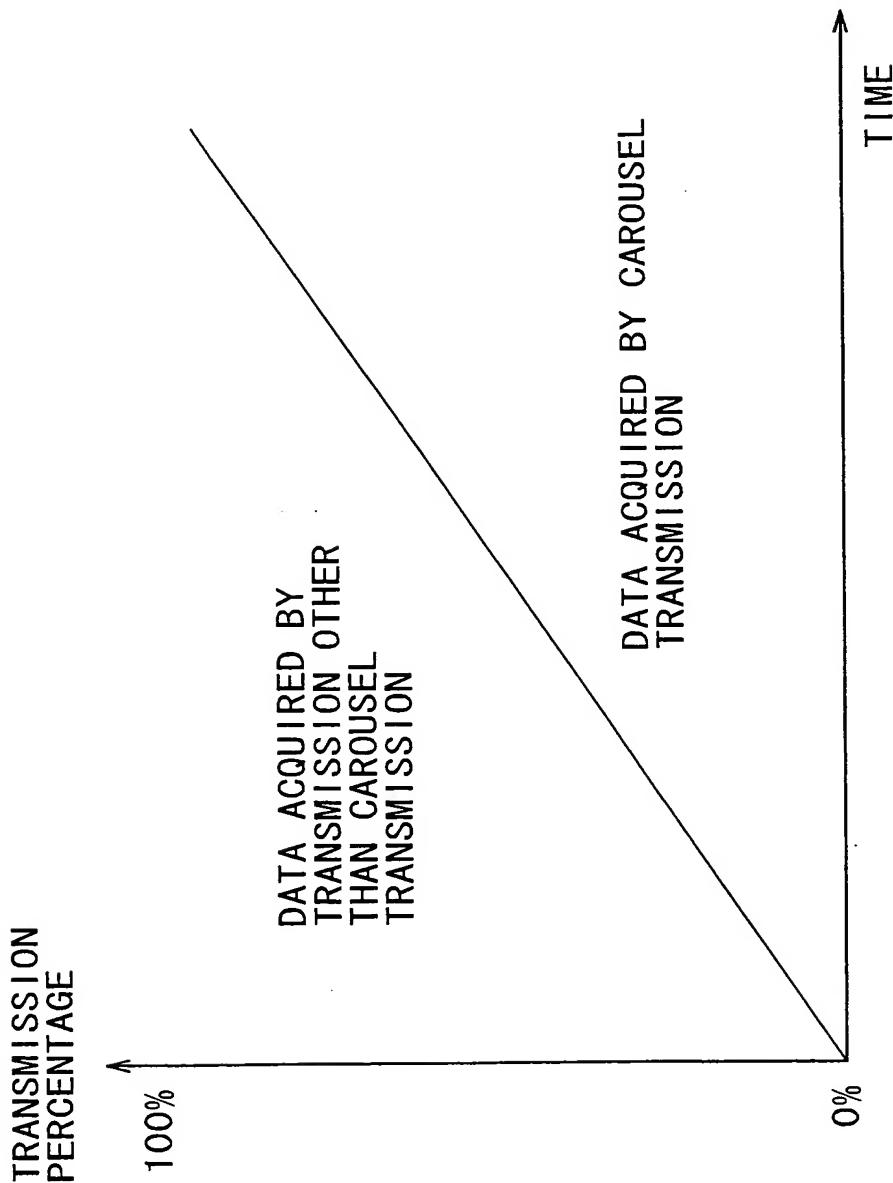


FIG. 23

	DISTANCE	NET LOAD	DATA DISCOVER DETECTION PROBABILITY	ON-DEMAND APTITUDE	TRANSMISSION LOSS	EFFICIENT DEMAND
CAROUSEL	FAR	SMALL	LARGE	SMALL	SMALL	QUITE LARGE
DISTRIBUTED CACHE (NEAR)	NEAR	SMALL	SMALL	LARGE	SMALL	LARGE
DISTRIBUTED CACHE (FAR)	FAR	LARGE	MIDDLE	LARGE	MIDDLE	LARGE
CHAINING	FAR	LARGE	LARGE	LARGE	LARGE	SMALL
LOCAL CACHE	NEAR	SMALL (LARGE)	SMALL	SMALL	SMALL	EFFICIENT FOR ANY CASE
CLIENT SERVER	FAR	LARGE	LARGE	LARGE	SMALL	QUITE SMALL

F 1 G. 2 4



F I G. 25

RECEPTION NODE	MULUTICAST ADDRESS
NEAREST DISTANCE NODE	224. 200. xxx. yyy
NEAR DISTANCE NODE	xxx. yyy. aaa. bbb
MIDDLE DISTANCE NODE	ccc. sss. xxx. aaa
:	:
FAR DISTANCE NODE	ccc. bbb. xxx. aaa
ALL NODE	zzz. yyy. ppp. qqq

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## FIG. 26

DATA (CONTENTS ID)	MULUTICAST ADDRESS OR UNICAST ADDRESS
AB01266DE	224. 200. xxx. yyy
65DA974E2	xxx. yyy. aaa. bbb
4638ABD564	ccc. sss. xxx. aaa
:	:
286EAC886D	ccc. bbb. xxx. aaa
ED3421850A	zzz. yyy. ppp. qqq

FIG. 27

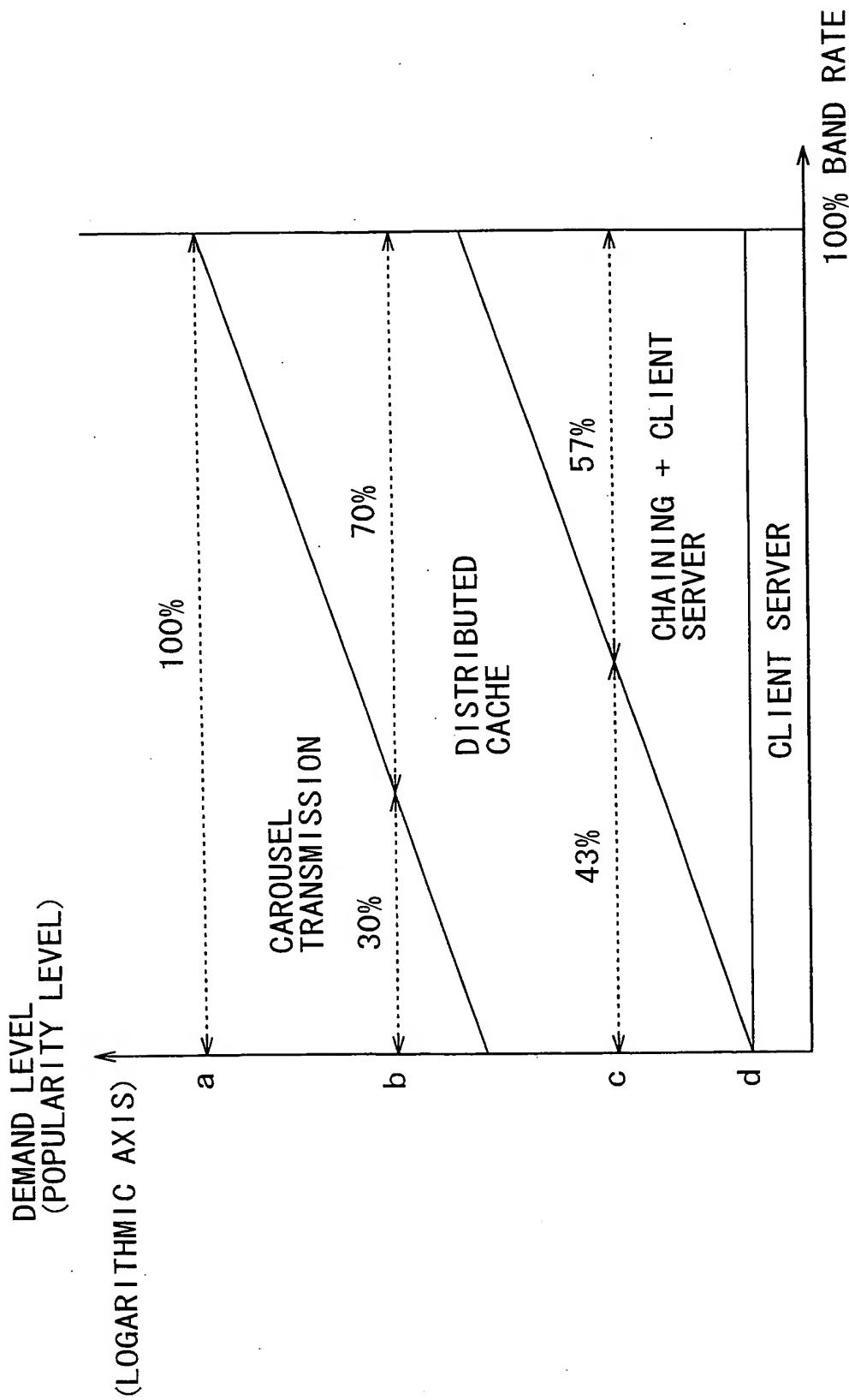


FIG. 28

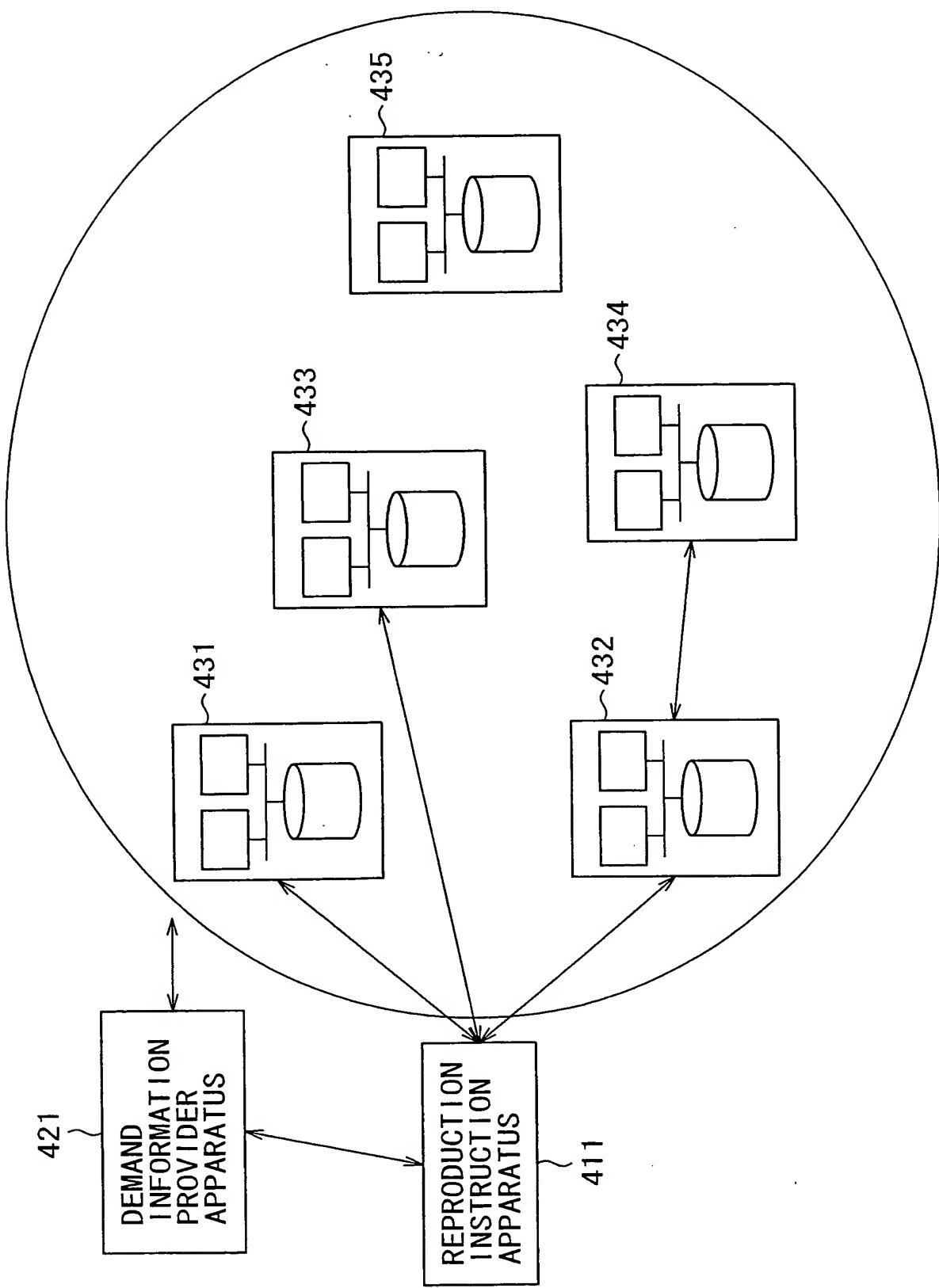


FIG. 29

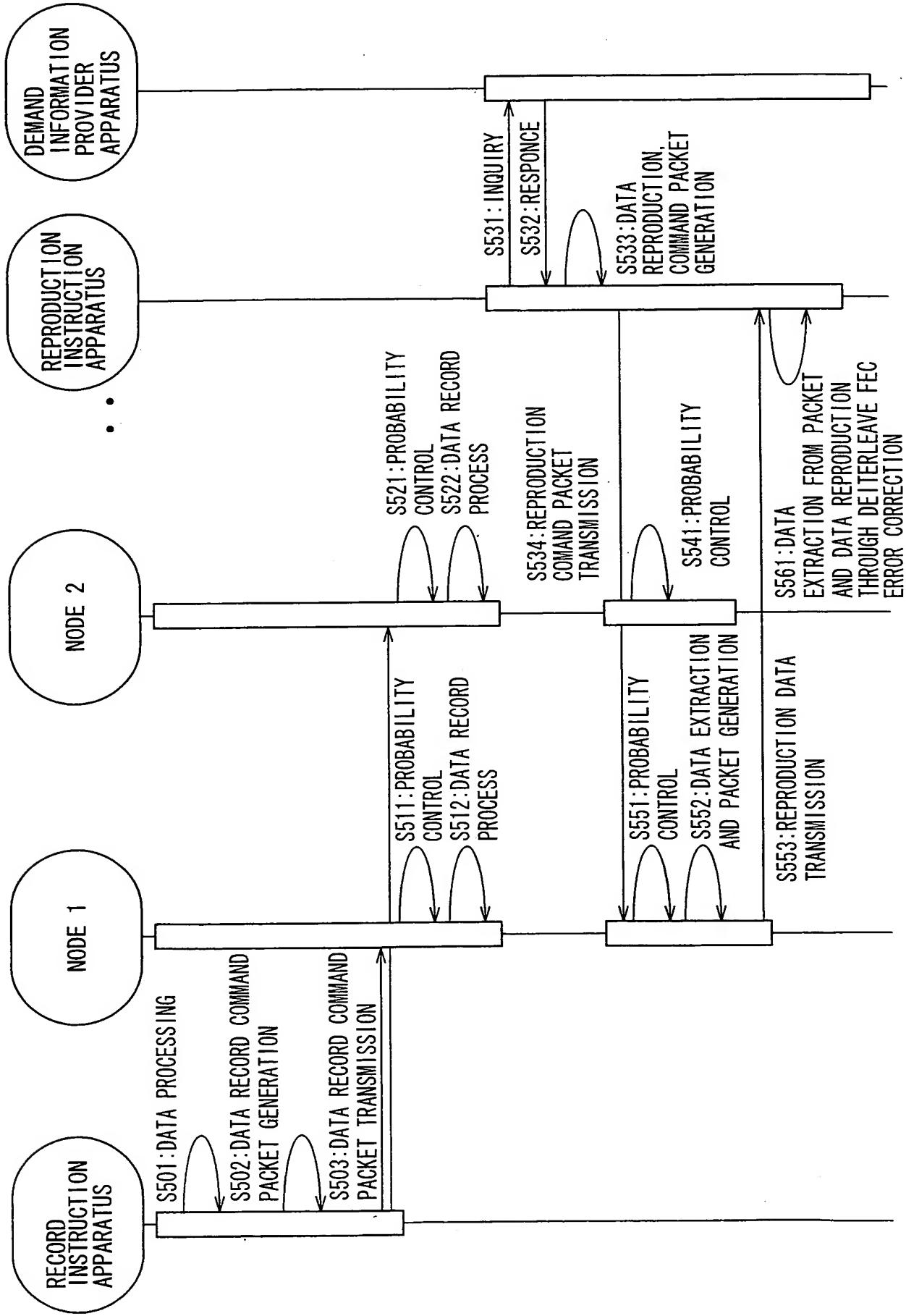


FIG. 30

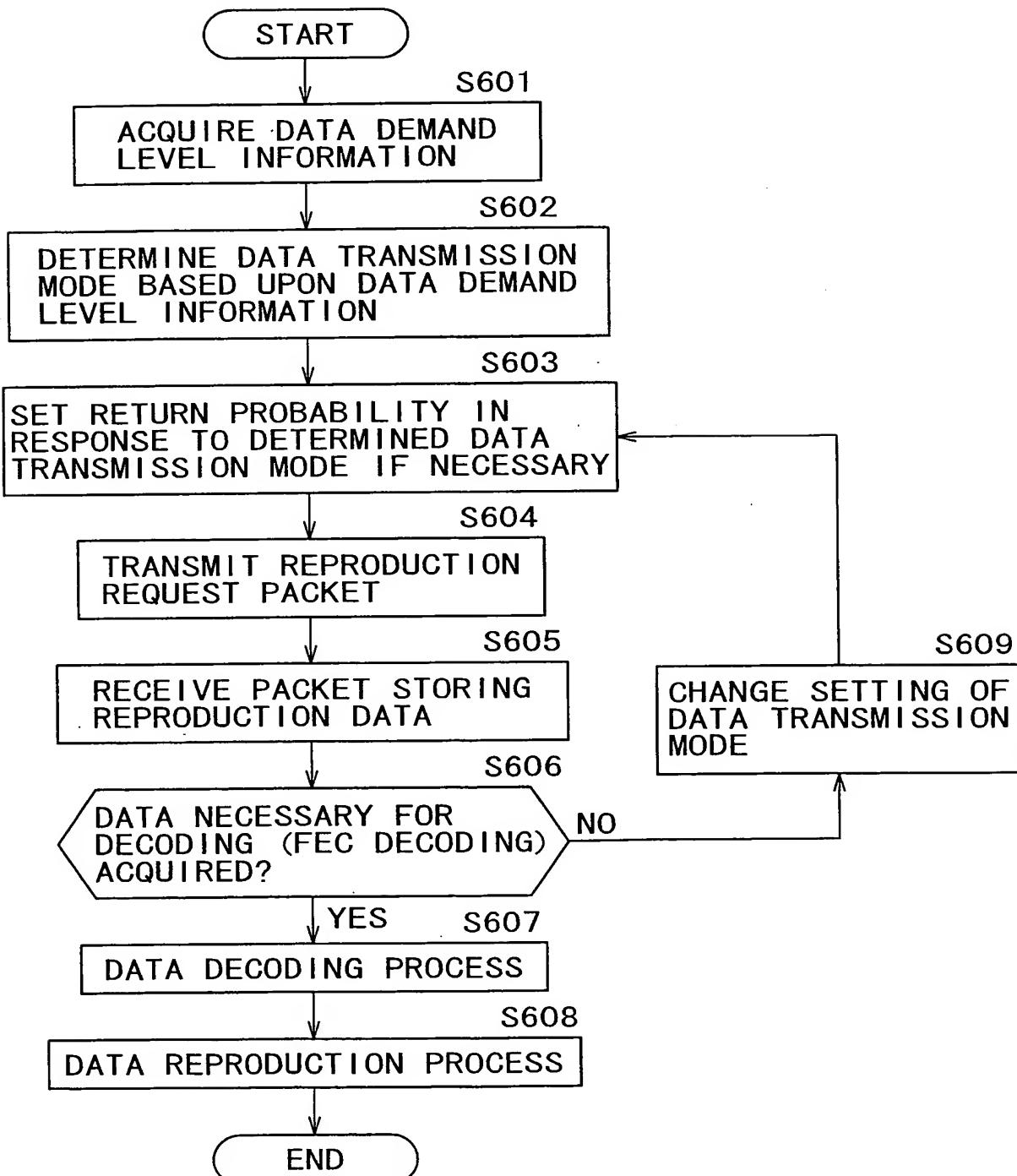


FIG. 31

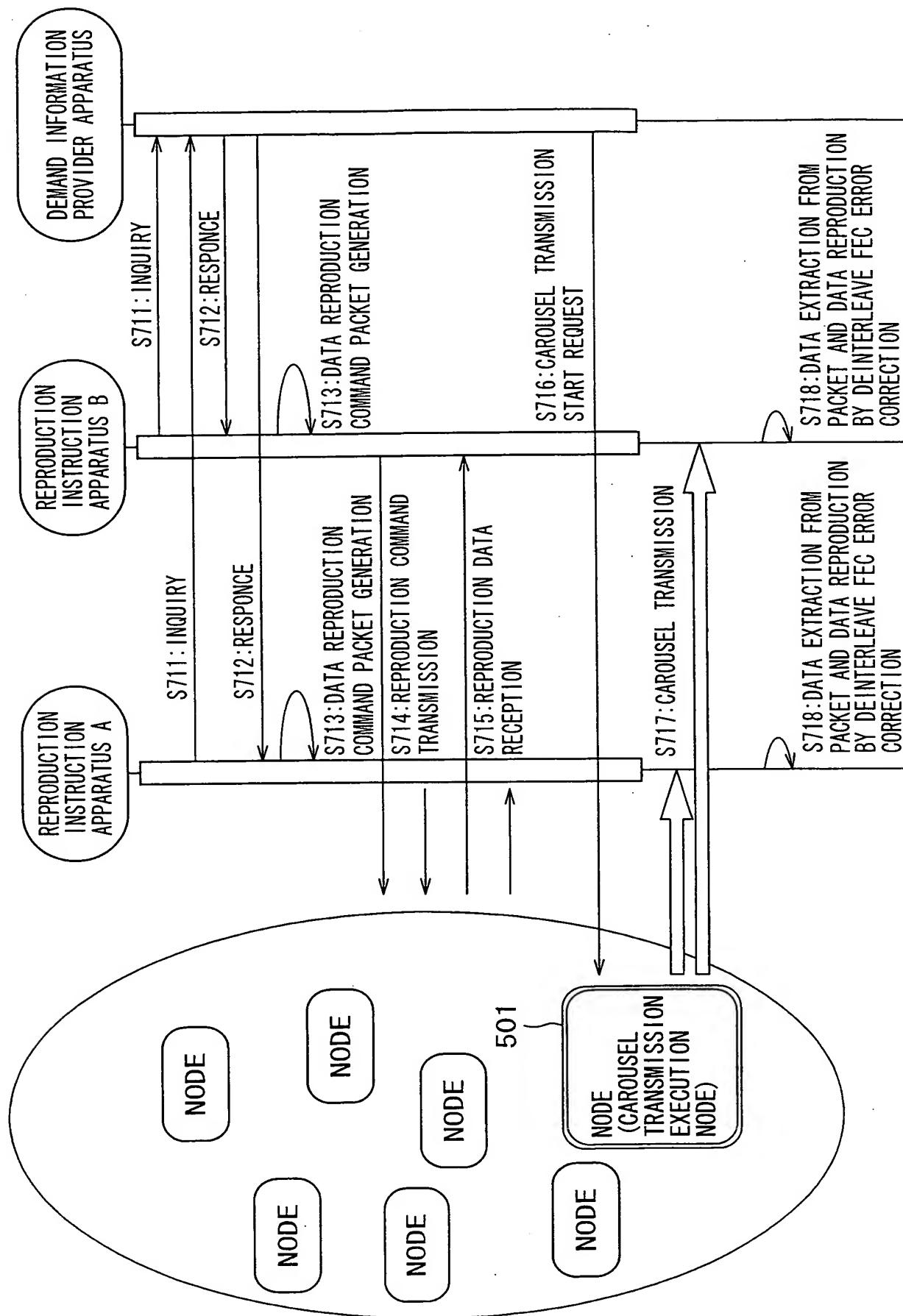


FIG. 32

